

Water Allocation Program Development

A multi-dimensional, interdisciplinary initiative among partners



Progress

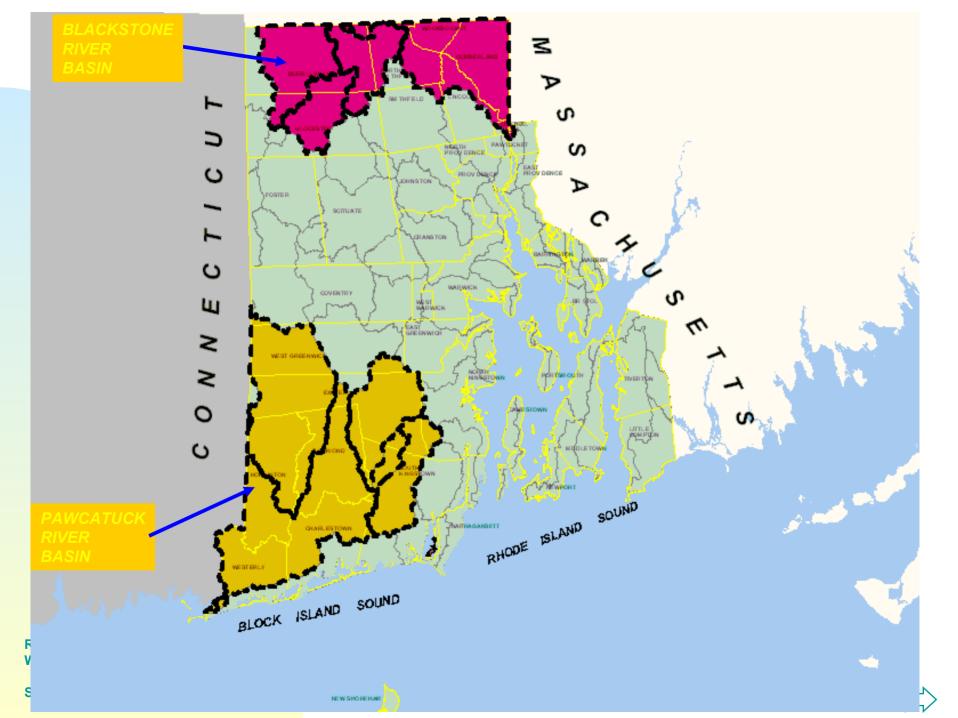
- Lead Organizations Established
- Subcommittees Staffed
- Background Information Provided
 - Research Starting Points
 - WSSMP Checklist
 - Water Use Study Proposal
 - ◆ NEWWA White Paper & Matrix
- Guidance: Work Plans

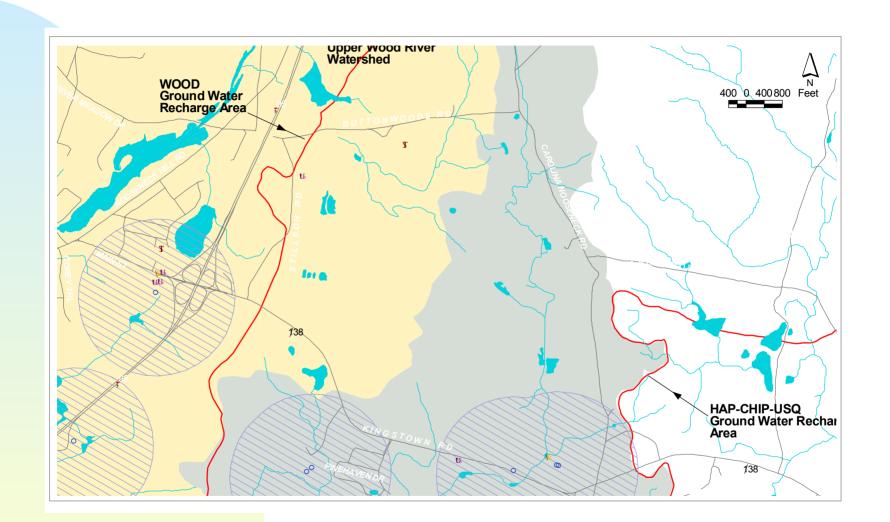


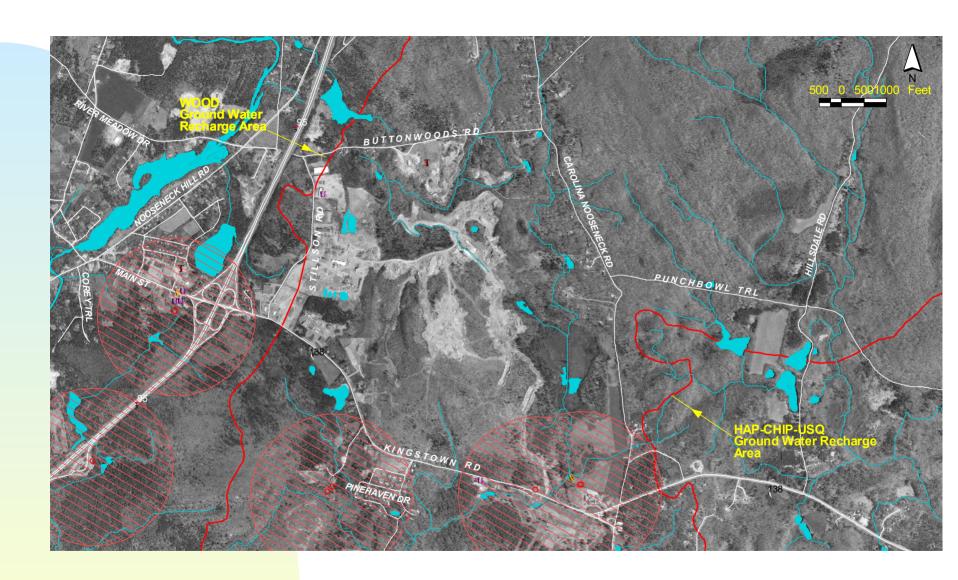
Going Forward

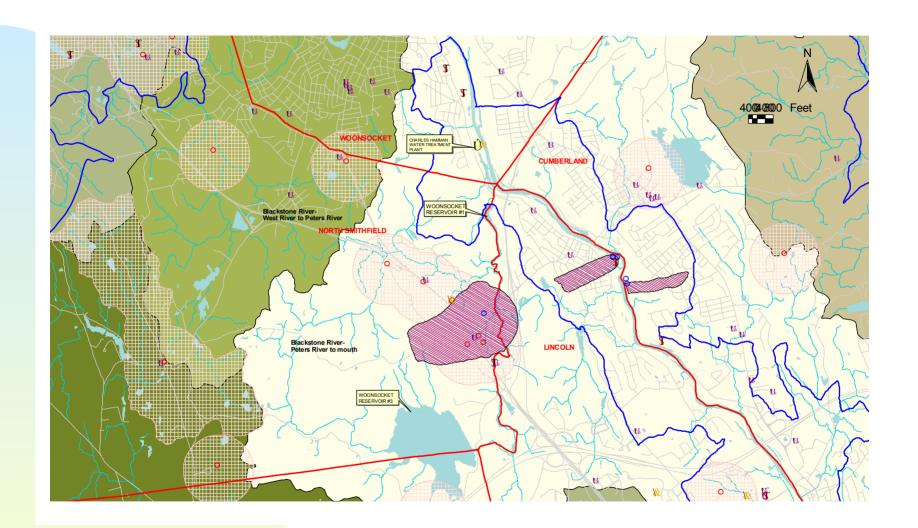
- Add Subcommittee Members
- Schedule Subcommittee Meetings
 - Define the Problem
 - Collect Information
 - Analyze Information
 - Apply Knowledge Using a Fact-Based Scenario
 - ◆ Focus on Outcomes
- Interface with WAPAC

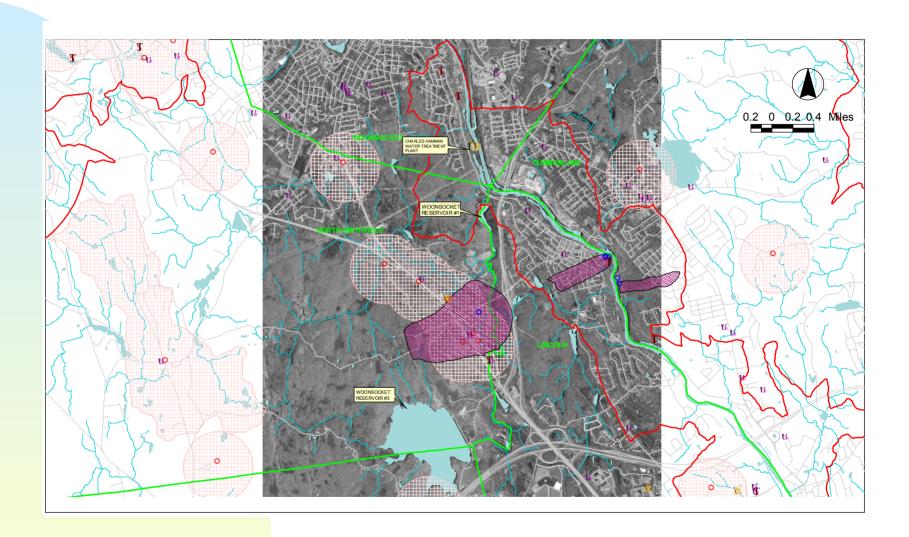












Program Components	Fact Scenario	
	Existing Utility Blackstone Watershed	Proposed Development Wood-Pawcatuck Watershed
Research	Water Use Study/ WSSM Plan USGS Data Network	Water Use Study/USGS Data Network/Development Proposal
Water Use Registration System	Register Public Water Users	Register Public/Private Water Users
Stream Flow Standards	Stream Flow Permit	No Regulatory Standard
Priority Uses	Industrial/Commercial	Residential/Agricultural
Water Rights/Regulatory Authority*	Federal/State/Local/Permit CCP/Supplier Agreements	Federal/State/Local/CCP Supplier Agreements/Water Rights
Out-of-Basin Transfer	Supplemental Water	Interconnections
Fees/Water Rates/Alternatives	PUC-Regulated Public Infrastructure Present	Nonregulated Public Water District or Area Not Served by Public Water Impact Fees
Education/Outreach/Tech. Assistance	Water Process Focus Potable/Nonpotable Water Use	Public Education/Training Focus: Conservation/Land Use
Integrated Water and Wastewater	Demand/Supply/Storage/Discharge Water Reuse	Demand/Supply/Storage/Discharge/ Recharge
Impact Analysis	Environment/Economic Growth/Political	Environment/Economic Growth/Political
Joint Advocacy/Funding	Target Resources/Constraints	Target Resources/Constraints
* new laws or regulations may be needed		

Other Considerations

- Legislation/Regulations
- Technology
- Funding
- Staffing
- Timing



Water Allocation

- Do We Have Enough Information?
- Will a Registration Program Address the Problem?
- If Not, What Else Would?



WORK CENTERED ANALYSIS DIAGRAM: WATER ALLOCATION

CUSTOMERS

Water Suppliers
Major Water Users
Government /General Public
Environment

OUTCOMES

Water Withdrawal Registration System
Interim/Long-Term Stream Flow Standards
Water Allocation Criteria
Technical Assistance Program
Educational Website
Conservation-Based Water Rates
Shared Decision Support Systems

BUSINESS PROCESS

WATER ALLOCATION

Management of the amounts, purposes, timing, locations, rates, and other characteristics of fresh water withdrawals from ground or surface waters... in order to protect the health, safety, and general welfare of the people of the state of Rhode Island, to promote the continued existence, diversity, and health of the state's native wildlife and plant species and communities, and the fair and equitable allocation of the water resource among users and uses, and to insure that long-range rather than short-range considerations remain uppermost.

RI Gen. Laws §46-15.7

PARTICIPANTS

Government Academia Citizens Groups Major Water Users

INFORMATION

Source Water Data
Water Use and Availability Studies
Water Models
Water Quality Data
Build-Out Analyses

TECHNOLOGY

Dedicated Servers Internet/Intranet Real-Time Data Systems Geographic Information Systems

